EduVision: Journal of Innovations in Pedagogy and Educational Advancements
Volume 01, Issue 11, November 2025
brightmindpublishing.com
ISSN (E): 3061-6972

DIGITAL ENGLISH: HOW TECHNOLOGY CHANGES THE WAY WE LEARN

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Abstract
In the digital age, learning is no longer confined to chalkboards and textbooks. This essay explores how technology has changed the way we learn, especially in higher education, by examining access to resources, teaching–learning processes, and student experience. Drawing on global research and reflecting on real university life, the paper argues that technology offers real advantages but must be used thoughtfully. The overall tone is student-centred and reflective: as a learner myself, I invite you to consider these changes alongside me.

Keywords: Digital learning, educational technology, higher education, personalised learning, student engagement, pandemic teaching, adaptive learning.

Introduction

Learning used to mean sitting in a classroom, listening to a lecturer, taking notes in a notebook, and doing homework from a printed textbook. Over the last decade, and especially since the pandemic, technology has transformed many of those routines. For a student studying logistics or engineering, for example, the shift is visible: instead of just a lecture in a large hall, there might be an online module, an interactive quiz, and group work via a digital platform. This essay takes you through how technology changes what we learn, how we learn, and where we learn—using examples, evidence and a student's point of view.

One of the biggest changes is access. With digital devices and internet connectivity, students can now reach lectures, readings, videos and tutorials at any time, from

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anywhere. According to Houghton Mifflin Harcourt (one of the largest American educational publishing companies), students today "have immediate access to information for writing a research paper and video tutorials on any subject". (hmhco.com)

This means that for students who want to study topics like global trade or sustainability, the barriers of physical libraries and fixed lecture times are much lower. Also, for students preparing for university entrance exams or international courses, digital resources allow reviewing formulas, watching science videos, or doing logic problems online when they have time. The idea of learning at home, on the go, and asynchronously has become normal. This flexibility is particularly valuable in developing countries, where many students combine study with part-time jobs or family responsibilities.

But access is not only about convenience. It also changes who can learn. A report by McKinsey & Company found that many higher-education institutions adopted classroom interaction tools, gamified exercises and connectivity tools during the pandemic. Students who used these tools reported improved learning and grades. (mckinsey.com) The implication is that digital learning can help reduce inequalities when used well—though, as I'll argue later, the risk of a 'digital divide' remains.

The second major change is teaching and learning methods. Technology has introduced new formats: online modules, adaptive learning systems, virtual reality (VR) experiences, real-time polling, peer collaboration via apps, and more. For example, a recent study showed that AI (artificial intelligence) can provide personalized learning experiences, adapt content to a student's strengths and weaknesses, and free up teachers from administrative tasks. (slejournal.springeropen.com)

In a typical classroom today, instead of the teacher simply lecturing on physics or economics, students might explore an online simulation, receive instant feedback, and then discuss the outcome in an online group. This blend of independent and collaborative work makes learning more engaging.

One useful concept here is connectivism—a learning theory that emphasises how knowledge is distributed across a network of people and digital tools. (en.wikipedia.org) The student becomes a participant in a network: connecting to peers, resources, and databases, and learning happens within these connections. For

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instance, a student preparing for an exam might watch videos, join online study groups, and share solutions—turning learning into a global, connected process.

Digital tools also enable micro-learning (short, focused sessions), which is especially useful for busy students or those who prefer studying in small chunks. Research suggests that adaptive micro-learning systems help higher-education students by fitting into their individual needs and keeping motivation high. (arxiv.org) Many students today use 15-minute learning sessions through apps or video platforms—an approach that fits modern attention spans and makes studying more flexible.

However, we should not assume that technology automatically improves learning. Some studies warn that simply adding technology, without changing teaching methods, can have little or no effect. A scholar from James Madison University noted: "Technology is not the influencer. The teacher's decision about when and how to use technology is the influencer." (jmu.edu) This means that for universities, it is not enough to give students laptops and platforms; teachers still need to design meaningful lessons, monitor progress, and keep students motivated. For us students, this means digital resources are helpful—but they won't replace effort, time management, and critical thinking.

The third area is student experience and engagement. Technology changes how students interact with content and with each other. The McKinsey report found that more than 60 % of students felt that classroom technologies used after COVID-19 had improved their learning and grades. (mckinsey.com)

And engagement isn't just passive: many platforms include quizzes, polls, breakout rooms, or leaderboard games that make studying more interactive and enjoyable. For example, doing an online business case simulation may feel more vivid and motivating than reading a textbook description of it.

Moreover, technology enables personalisation. Adaptive platforms can identify your weak points—say, grammar or statistics—and give you extra practice on those topics. A Brookings Institution study emphasized that educational technology can help "facilitate differentiated instruction" and "expand opportunities for practice". (brookings.edu) This means that learning no longer has to be one-size-fits-all; every student can follow their own learning path.

Yet, there are also challenges. Access remains uneven. In many regions, internet connectivity, device availability or digital literacy may still be limited. The

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McKinsey report pointed out that under-resourced institutions used technology tools less effectively. (mckinsey.com) Another problem is the novelty effect: students might be excited about new digital tools at first, but their motivation drops once the excitement fades. (en.wikipedia.org)

Finally, distraction is a real issue—students easily switch tabs, lose focus, or scroll social media during online study sessions. Having digital materials doesn't replace the hard work of understanding and applying ideas deeply.

From a broader perspective, education systems around the world are increasingly integrating digital tools: online platforms, digital libraries, and tutorial videos in English or other languages. This helps students prepare for global challenges and participate in international programs. However, to truly benefit, students must treat technology as supportive, not as a shortcut. Digital resources are powerful when used purposefully—combined with offline reading, writing, and active problem-solving.

In practical terms, here are some suggestions for students to make the most of technology:

- Using short video lessons or MOOC segments to reinforce learning after studying theory.
- Trying digital quizzes or flashcards to test yourself immediately after learning a topic.
- Collaborating with classmates through online groups or study forums to exchange ideas.
- Combining online learning with handwritten notes or problem-solving on paper to deepen understanding.
- Avoiding multitasking: focus on one platform at a time and set study timers.
- Using digital tools to build your English vocabulary and writing skills, but still write essays by hand for real-exam practice.

Remember: technology is powerful, but your discipline and curiosity are what make it meaningful.

In conclusion, technology has transformed learning in three main ways: it has expanded access, diversified teaching methods, and enriched student experiences. For modern students, this is an incredible opportunity: they can learn more flexibly, more creatively, and more independently than ever before. But the goal of education remains the same—deep understanding, critical thinking, and effort.

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Teachers and students together determine how powerful technology will be in the classroom. If we use it wisely, combining human motivation with digital tools, learning will not only become more efficient but also more inspiring.

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